

Bulletin No.: PI1350A

Date: Feb-2015

PRELIMINARY INFORMATION

Subject: Information on Electronic Power Steering (EPS) Calibrations for Steering Gear

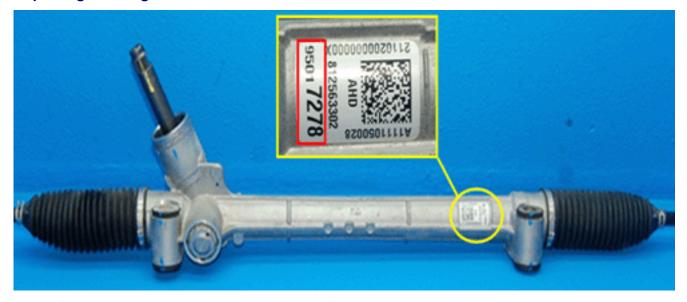
Models: 2013-2014 Buick Encore

2012-2014 Chevrolet Sonic 2013-2014 Chevrolet Trax

This PI has been revised to update the Calibration Table. Please discard PI1350.

New steering gears have been released recently and new EPS calibrations should be applied on it. Old steering gears should be combined with old EPS calibrations. For this reason, matching the steering gear with the EPS calibration is very important. Please follow the procedures below for preventing mismatching between hardware and software.

Replacing Steering Column



- 1. Lift the vehicle using a hoist and check the part number of the steering gear that is located on the area shown above .
 - Note: This steering gear part number will be used to define steering gear (old or new) calibration ID.
- 2. Reprogram the EPS. Refer to Power Steering Control Module Programming and Setup below.
 - **Note:** Adding the steering gear part number on the SPS web page will allow the operation software and calibration part number to display automatically on the page.
- 3. Confirm and complete EPS reprogramming by determining the operation software part number and calibration part number using the Calibration table. If the operation software part number and calibration part number are not correct, please verify the steering gear part number and try again. If the operation software part number and calibration part number are correct, reprogram the power steering control module.

Replacing Steering Gear



- 1. Lift the vehicle using a hoist and check the part number of the steering gear that is located on the area shown above.
 - Note: This steering gear part number will be used to define steering gear (old or new) calibration ID.
- 2. Reprogram the EPS. Refer to Power Steering Control Module Programming and Setup below.
 - **Note:** Adding the steering gear part number on the SPS web page will allow the operation software and calibration part number to display automatically on the page.
- 3. Confirm and complete EPS reprogramming by determining the operation software part number and calibration part number using the Calibration table. If the operation software part number and calibration part number are not correct, please verify the steering gear part number and try again. If the operation software part number and calibration part number are correct, reprogram the power steering control module.

Calibration Table Instructions

- 1. Find the Steering Gear (Old or New) from the Gear part number listed in the Calibration table.
 - **Note:** If the steering gear part number is defined as "Old", Calibration and Operation software part number should be also selected in the "Old" column. And Vice versa; if "New" gear, Calibration and Operation software part number should be in the "New" column.
- 2. Define Vehicle Spec (Driver position/Trim level, Engine, Tire).
- 3. Find the exact calibration and operation software part number from the calibration table.
- 4. Confirm operating software and calibration part number on the SPS web and complete SPS programming.

Note: If you fill in part number of steering gear on SPS web, the SPS server will automatically find operating S/W and Calibration P/N. For the detail, refer to the following appendix.

Calibration Table

Re gio n	Progra m	Steering Gear Part Number		Driver - Positio	Engine	Tire	Calibration Number		Operation Software
		Old	New	n/Trim			Old	New	
Nor th Am eric a	Sonic	95089639 95089641 95920016 95920017 95920018	95281008 95281010	LS/LT/ LTZ/Du sk	-	15"	95182079	95363091	95492464
					-	16", 17", 18"	95182080	95363092	
				RS	-	17"	95075924	95363093	
	E Trax	95089636 95299727 95089637 95299728 95137231 95299729		-	1.4G Turbo	16"	95075901	95363049	95492464
				1.4G Turbo	18"	95075902	95363050		

Power Steering Control Module Programming and Setup

- 1. Connect an MDI to the vehicle and to the Techline PC.
- 2. Ensure that all power consuming devices are turned OFF on the vehicle.
- 3. From the TIS Home Page select "Service Programming System (SPS)" and follow the screen instructions.
- 4. Select "Start SPS" application and follow the on-screen instructions.
- 5. Select: "J2534 MDI" and "Reprogram ECU" then select "Next."
- 6. Follow the On Screen Instructions then select "Next."
- 7. Select Validate/Select Vehicle Data and click Next button.
- 8. Check VIN and click Next button.
- 9. Select SPS items.
 - 9.1. Select Controller: EPS.
 - 9.2. Select Function/Sequence: Programming.
 - **9.3.** Select Programming Type: Normal.
- 10. Select Gear Part number and click Next button.
- 11. Confirm the software number and Click "Next."
- 12. When programming is completed, clear any DTCs.

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